

## Diagnosis: Symptoms and Diagnosis of Blood Disorders: Merck Manual Home ...

| <b>Complete Blood Count (CBC)</b>   |  |  |
|-------------------------------------|--|--|
| <b>Test</b>                         | <b>What It Measures</b>  | <b>Normal Values</b>   |
| Hemoglobin                          | Amount of this oxygen-carrying protein within red blood cells  | Men: 14 to 17 grams per deciliter<br>Women: 12.5 to 15 grams per deciliter   |
| Hematocrit                          | Proportion of total blood volume made up of red blood cells    | Men: 42 to 50%<br>Women: 36 to 45%   |
| Mean corpuscular volume             | Average volume of individual red blood cells                   | 86 to 98 femtoliters   |
| White blood cell count              | Number of white blood cells in a specified volume of blood     | 4,500 to 10,500 per microliter   |
| Differential white blood cell count | <u>Percentages of the different types of white blood cells</u> | Segmented neutrophils: 34 to 75%<br>Band neutrophils: 0 to 8%<br><u>Lymphocytes: 12 to 50%</u><br>Monocytes: 2 to 9%<br>Eosinophils: 0 to 5%<br>Basophils: 0 to 3% |
| Platelet count                      | Number of platelets in a specified volume of blood             | 140,000 to 450,000 per microliter  |
| Mean platelet volume                | Average volume of platelets                                    | 7 to 10 femtoliters  |